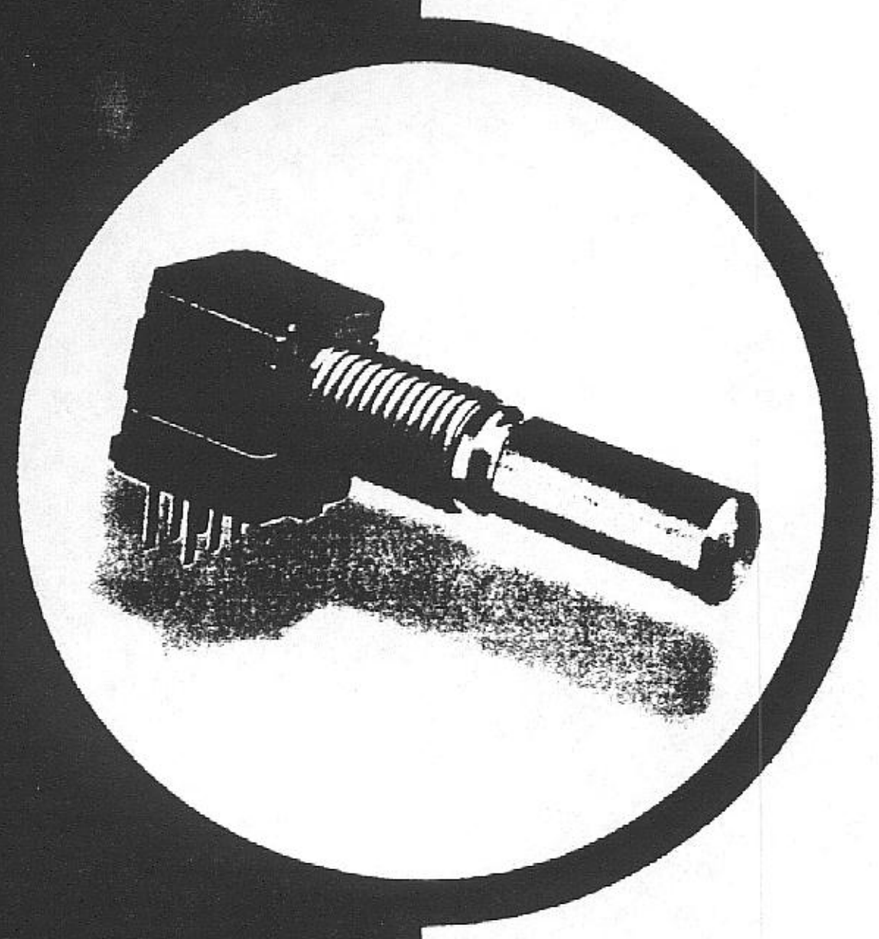
Model 580

NEW

Commercial Potentiometers



FEATURES:

- *Conductive Plastic Element*
- *Smooth Feel*
- *High Rotational Life*
- *Quiet Electrical Output*
- *Robust Construction*

Electrical

RESISTANCE RANGE:
200Ω to 2.5 megΩ- Linear
1.0KΩ to 1.0 megΩ- Non-linear

RESISTANCE TOLERANCE:
±20% standard

LINEARITY: ±5% Independent
(through 100K Ω)

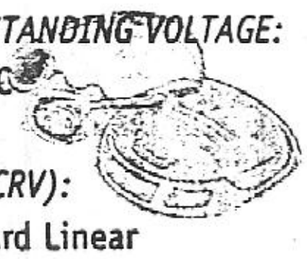
POWER RATING:
Bushing Mount
0.10 Watt @ 40°C- Linear Taper
0.05 Watt @ 40°C- Non-Linear
PC Mount
0.05 Watt @ 40°C
Derate to 0 Watt @ 100°C

1/20 W

MINIMUM RESISTANCE:
10Ω Max. Each End- Linear
10Ω Max. Low End,
1% High End- Non-Linear

MAXIMUM CONTINUOUS WORKING VOLTAGE:
100 VAC

DIELECTRIC WITHSTANDING VOLTAGE:
Sea Level- 300 VAC



DYNAMIC NOISE (CRV):
2% of Rt Standard Linear

Mechanical

MATERIALS OF CONSTRUCTION:
Housing- Molded Thermoplastic
Shaft- Metal
Wiper- Metal Contact Spring
Bushing- Metal

CONSTRUCTION:
Mounting- Bushing
PC
Locating Pin- @ 6 o'clock
No pin optional
Not sealed for washing

TERMINALS:
Number- 3 in Line
Type- PC Pins on 0.100" Grid Standard
Strength- 2 lb Push & Pull

MECHANICAL ROTATION:
295° ± 5°

TORQUE:
Operating- 0.2 to 2.5 oz. in. @ 25°C,
0.5 oz. in. Variation in a Control
Stop- 3 in. lbs.

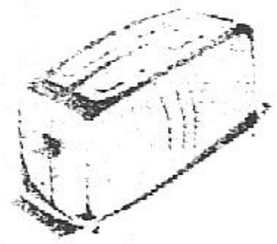
Marking

Ink Stamp on Periphery or Rear
per EIA Standard

Environmental

STORAGE TEMPERATURE:
-40°C to +100°C
TEMPERATURE CYCLING:
-40°C to +100°C
(5 cycles, 4 % Δ Rt)

LOAD LIFE:
1000 hrs. Rated Load @ 40°C
(10% Δ Rt)
ROTATIONAL LOAD LIFE:
40,000 cycles (10% Δ Rt)



ISO 9001 CERTIFIED

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